

FIGURE 1

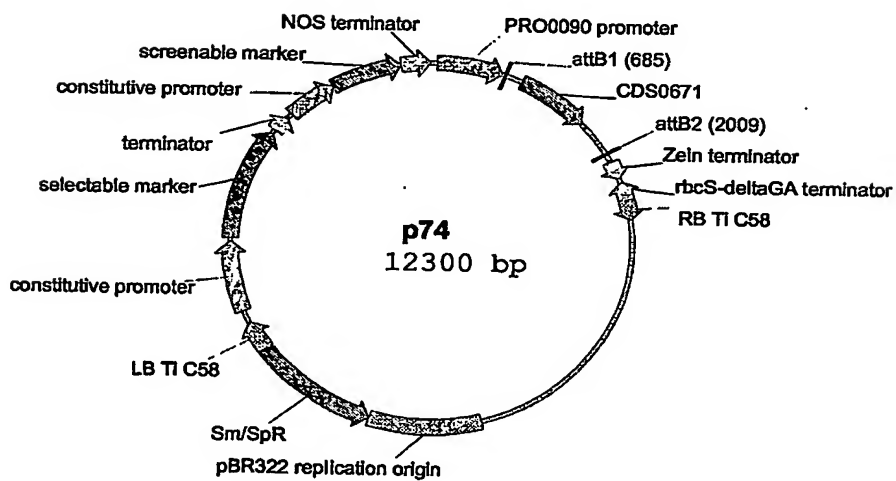


FIGURE 2

SEQ ID NO 1: CDS0671 coding sequence from LIMS, start and stop codon in bold

aattcccgggatatacgtcgacccacgcgtccgaataaatctgcttttggaaacattgtg  
ttgcatccttctcttcagaggagaatagaacacctcgctagggccacagcaaacaccaa  
gtctcaccaggcaccatttcgcaat**atg**ctcttttatggctcctcctggcactgggaaa  
acaatgggttgcaggagatcgcaagaaaatcgggtttggactatgccatgatgactgg  
aggggatgttgcacccctgggtgcacaggctgtcaccaaaattcacgagatattcgatt  
gggccaaaaaatcaaataaaggcctactgcttttcattgatgaggctgatgcatttttg  
tgcgagcggaatagtagatatacatgagtgaagctcagcgaagtgctttaaatgctttact  
ctttcgaacaggggaccagtcccagacgtagttcttctgctccttgcgaccaacaggccag  
gagatctagacagtgcgtgctcactgaccgtatagacgaagttatcgaattccctctccct  
caagaagaagagcggttcaaattgctgaagctctatattgaacaagtaccttgctgggtga  
aggagacagtgacagcaattctaaagtgggggcacctcttcaagaagaaccaaaaaaga  
ggataaccatacaagatttgcgtgatgatgtgattagagaggctgctaagaagatagaa  
ggattctctggccgtgagattgcaaaacttatggcaagtgttcaagcaactgtatatgg  
gagcccagattgtgttcttgattctcaactgttcaaggaaatcgtagattacaaggctcg  
ctgagcatcaccaacgaataaaaactagctgctgaagggtatggagccaacttaccagggg  
aat**ta**actgacaccacaaagatacaagtgtctttcactgatacgaattgttgaaaatt  
tgttattatctcttttggtagtattgcatgcaaaattcattttttccaaacttaggata  
ttgtagtttaggtgtactatttctgcttggggaatgagcactggatgggtggacgtgttt  
cagggttcaatgggacgttacaaatttgatgggtacatagctcacttgggctgtaattgt  
attgattctgtggatcgaggaataacatccattgaatagataaaatagtaggcaaaac  
atgaagtcctcttgaaataggtctctgttatcaaatatcaactaacctatccttttgatt  
accgcggccgctctagagtatccctcgagggggcccaagcttacgcgt

SEQ ID NO 2: CDS0671 deduced protein sequence

MLFYGPPGTGKTMVAREIARKSGLDYAMMTGGDVAPLGAQAVTKIHEIFDWAKKSNKGL  
LLFIDEADAFLCERNSTYMSEAQRSALNALLFRTGDQSRDVVLVLATNRPGLDLSAVTD  
RIDEVIEFPLPQEEERFKLLKLYLNKYLAGEGSDSNSKWGHLFKKNQQKRITIQDLSD  
DVIREAAKKIEGFSGREIAKLMAVQATVYGSPPDCVLDSQLFKEIVDYKVAEHHQRIKL  
AAEGMEPTYQGN

FIGURE 3

**SEQ ID NO 3: expression cassette**

cttctacatcggttaggtgtagcaacacgactttattattattattattattattattatt  
attatttttacaataataaaaatagatcagtcacctcaccacaagtagagcaagttggtg  
agttattgttaaagttctacaaaagctaattttaaagttattgcatctaacttatttcatat  
tacaacaagagtgatcaatggaacaatgaaaaccatatgacatactataattttggttt  
tattattgaaattatataattcaagagataaaatccacatagccgtaaagttctacat  
gtggtgcatcaccaaaatatatatagcttacaaaacatgacaagcttagtttgaaaaat  
tgcaatccttatcacattgacacataaagtgaagtgaatgagtcataatattattttctt  
gctacccatcatgtatatatgatagccacaaagttactttgatgatgatataaagaac  
atttttaggtgcacctaacagaatatccaaataatagactcacttagatcataataga  
gcatcaagtaaaactaacactctaaagcaaccgatgggaaagcatctataaatagacaa  
gcacaatgaaaatcctcatcatccttcaccacaattcaaatattatagttgaagcatag  
tagtaattttaaatacaactagggatatcacaagtttgtaaaaaaagcaggctggtaccg  
gtccggaattcccggtgatctgctgacccacgcgtccgaataaatctgcttttggaac  
attgtgttgcatccttctcttcagaggagataagaacacctcgctagggccacagcaaa  
caccgaagtctcaccaggcaccatttcgcaatatgctcttttatggtcctcctggcactg  
ggaaaaacaatggttgctaggggagatcgcaagaaaatcgggtttggactatgccatgatg  
actggagggtgattgacccctgggtgcacaggctgtcaccaaaattcacgagatatt  
cgattgggcaaaaaatacaataaaggcctactgcttttcattgatgaggctgatgc  
ttttgtgagcggaatagtagacatacatgagtgaaagctcagcgaagtgctttaaagct  
ttactctttcgaacaggggaccagtcgagagcgtagttcttgctccttgcgaccaacag  
gccaggagatctagacagtgctgtcactgacctgacgtatagacgaagttatcgaattccctc  
tccctcaagaagaagagcgtttcaaatgtggaagctctatttgaacaagtagcttgct  
ggtgaaggagacagtgacagcaattctaaagtgggggcacctctcaagaagaaccaaca  
aaaggagataaccatacaagatttgcctgatgatgtgattagagaggctgctaagaaga  
tagaaggattctctggcgtgagattgcaaaaacttatggcaagtggtcaagcaactgta  
tatgggagcccagattgtgtcttgattctcaactgttcaaggaaatcgtagattacaa  
ggtcgtgagcatcaccaacgaataaaactagctgctgaaggtatggagccaacttacc  
aggggaattaaactgacaccacaaagatacaagtgcttttactgatacgaattgttgaa  
aatttgtttattatctctttggtagtattgcatgcaaaattcattttttccaaacttag  
gatattgtagtttaggtgtactatttctgcttggggaatgagcactggatggtggacgt  
gtttcaggttcaatgggacgttacaaatttgatgggtacatagctcacttgggtgtaa  
ttgtattgattctgtggatcgaggaaaatacatcattgaatagataaatagtaggca  
aaacatgaagttctcttgaaataggtctctgttatcaaatatcaactaacctatctttt  
gattaccgcggcgcctctagagtatccctcgagggggcccaagcttacgcgtaccagct  
ttcttgtaaaaagtggtgatatacaagcccggtggtcttctagggataacagggttaa  
ttatatccctctagatcacaaagccggggtcttctacgatgattgagtaataatgtg  
tcacgcatcaccatgggtggcagtggtcagtgtagcaatgacctgaatgaacaattgaa  
atgaaaaagaaaaaagtactccatctgttccaaattaaaattcatttttaacctttta  
aggtttatacaataaattgatataatgttttctgtatatgtctaatttgttatcatccggg  
cggtcttctagggataacagggttaattatatccctctagacaacacacaacaataaga  
gaaaaaacaataatattaatttgagaatgaacaaaaggaccatatcattcattaactc  
ttctccatccatttccatttcacagttcgatagcgaaaaccgaataaaaaacacagtaa  
attacaagcacacaatggtacaagaaaacagttttcccaatgccataatactcgaa  
c

**FIGURE 3 (continued)**